

a conductive reflecting film on said phosphor screen; and  
a sol uniformly applied to said conductive reflecting film  
that, when baked, forms an oxide as a heat absorbing film, said  
sol containing a material in a colloidal state.

5. (Twice-amended) The color cathode-ray tube according to  
claim 4, wherein the material is at least one member selected  
from a group consisting of silicon, manganese, aluminum and tin  
antimonide.

6. (Twice-amended) The color cathode-ray tube according to  
claim 5, wherein the sol is dispersed with a fine carbon powder.

7. (amended) The color cathode-ray tube according to claim  
4, wherein a dispersion medium of said sol evaporates at a  
temperature equal to or more than an ordinary temperature before  
said sol is applied to said conductive reflecting film.

8. (amended) The color cathode ray tube wherein said sol  
is a product generated by hydrolysis of an alkoxide.